BRUHAT BANGALORE MAHANAGARA PALIKE

DASARAHALLI ZONE

package DJ

Name Of Work :- Detailed Estimate for Annual Maintenance of Street Lights at Kamagondanhalli surrounding area Package-D-1 ward No 12 Shettyhalli in

Budget Head 220902/P0300 M&R to Street Lights - Replacement of burnt bulbs etc (package)

Division No Dasarahalli Estimate No. 10/21-22 Dt= 03/12/2021 For Rs.= Rs. 29,50,000.00

Sl. No.	SR Page. No.	Description of Work	Unit	Qty.	Rate Per Year Rs. Ps.	Amount
1	AR VideNo SE(ELE/ PR/676/ 2021-22 Dt:07.12. 2021	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for various type of street lighting systems as detailed below. **36/40 W fluorescent tube light street lighting system.**	Each	320	685.45	219344
2	AR VideNo SE(ELE/ PR/676/ 2021-22 Dt:07.12. 2021	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for various type of street lighting systems as detailed below. **125W HPMV Park lighting system.**	Each	22	756.29	16638.38
3	AR VideNo SE(ELE/ PR/676/ 2021-22 Dt:07.12. 2021	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for various type of street lighting systems as detailed belowPoles with **250W HPSV street lighting system.**	Each	1780	1019.41	1814549.80
4	AR VideNo SE(ELE/ PR/676/ 2021-22 Dt:07.12. 2021	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for various type of street lighting systems as detailed below **400 watts HPSV street light /High mast lighting system.**	Each	80	1118.08	89446.40
5	AR VideNo SE(ELE/ PR/676/ 2021-22 Dt:07.12. 2021	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers, MCPCB, surge protective device,, Switches , wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards. and , switching ON/OFF of street lights at specified timing and Pole numbering , Preparing ward wise ,street wise street light data bank , furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for **24 Watt to 40 Watt LED Park/ street lighting system.**	Each	4	880.01	3520.04

JUNIOR ENGINEER (E&O)
Bruhath Bangalore Mahanagara Palike

ASST EXECUTIVE ENGINEER (E&O)
Bruhath Bangalore Mahanagara Palike
Dasarahalli Zone, Bangalore

EXECUTIVE Engineer (E&O)
Bruhath Bangalore Mahanagara Palike
Dasarahalli Zone

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6	AR VideNo SE(ELE/ PR/676/ 2021-22 Dt:07.12. 2021	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers, MCPCB, surge protective device,, Switches, wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards. and, switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise ,street wise street light data bank , furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for **40 Watt to 65 W LED street Light lighting system.**	Each	350	1147.43	
7	AR VideNo SE(ELE/ PR/676/ 2021-22 Dt:07.12. 2021	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers, MCPCB, surge protective device,, Switches, wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards. and, switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise ,street wise street light data bank , furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for **90W LED street light lighting system.**	Each	90	1377.66	
8	AR VideNo SE(ELE/ PR/676/ 2021-22 Dt:07.12. 2021	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers, MCPCB, surge protective device,, Switches, wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards. and, switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise ,street wise street light data bank , furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for**110/120 watt LED street light lighting system**	Each	1	1575.5	1575.50
9	AR VideNo SE(ELE/ PR/676/ 2021-22 Dt:07.12. 2021	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers, MCPCB, surge protective device,, Switches, wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards. and, switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise ,street wise street light data bank , furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for **150/180 watt LED street light /High mast lighting system.**	Each	1	1871.51	1871.51
10	31/~~5.44~~/ 5.44.2	Supply and Installation / Fixing / Provision of Outdoor type Thermoplastic Modular Panel enclosure with transparent Polycarbonate Lid, shock proof, IP65 (Weather Proof), rust proof, dust proof, water proof, corrosion proof having internally Embedded gasket on both lid and flap suitable to fix Single Phase / Three Phase Energy Meter in suitable base plate and having a provision for Fuse / MCB cutout with suitable transparent hinged flap opening for operating MCB along with complete tamper proof SEALING facility.**300mmx450mmx214mm**	Each	5	5127.00	25635.00
11	26/~~5.13~~/ 5.13.4	Supply and fixing of 4pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and as per IS-13947 **100 to 125Amps**	Each	18	7200.00	129600.00
12	27/~~5.17~~/ 5.17.3	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898.**50-63 Amps SP**	Each	20	723.00	14460.00
13	32/5.48	Supplying and fixing Microprocessor Based Astronomical timer Switch with using necessary bolts, nuts and washers.	Each	19	4030.00	76570.00

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6 5/21/2.3.3	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694 confirming to latest amendments 6 sqmm	Mtr	10	70.00	700.00
43/6.17/6.17.4	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes 6 sqmm	Each	100	7.00	700.00
	Total				2920200.53
	GST @12% 10,11,12,13,14,15			247665.00	29719.80
	Misleniuos				79.67
	Grand Total				2950000.00

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CERTIFICATE

1. The Place was inspected and work is essential
2. The Provision made in the estimate is adequate and are necessary.
3. The Work comes in the BBMP limit and is legitimate charges on the Corporation Funds.
4. The rates in the Estimate is based on PWD (Elec) SR of 2019-20 / , BESCOM SR approved rates
5. The Above Work is not taken up in any Previous Grants

K.N. Baddy
r/Asst. Engineer (Elec)
JUNIOR ENGINEER (Ele)
Bruhath Bangalore Mahanagara Palike
Dasarahalli Zone, Bangalore

Asst. Exe. Engineer (Elec)
Sub-Division No.
Bruhat Bangalore Mahanagara Palike

EXECUTIVE ENGINEER (ELEC)
DASARAHALLI DIVISION
BRUHAT BANGALORE MAHANAGARA PALIKE

ನಂ.ಬಿ.ಕಾ.ಆ.(ವ):ದಾ.ನ: 10 2021-2022
ದಿನಾಂಕ 2013/22 ರಂದು 29:50 ಅಂಕಿ-ಸಂಖ್ಯೆಗಳಲ್ಲಿ
Twenty Nine Lakhs Fifty Thousand.
ಇಂದಿನ ಮಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ
ಮಟ್ಟ ಸಂಖ್ಯೆ 36 ಕ್ರಮಸಂಖ್ಯೆ 10
ಕಾರ್ಯಪಾಲಕ/ಆಡಳಿತಾಧಿಕಾರಿ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು

Sanction For Rs 29,50,000/-
Rupees Twenty nine Lakh fifty thousand only
is accorded under head P0300 – Annual Maintenance of street lights
Registered at SE (Ele) No. PR/690/21-22 subject to conditions contained in enclosed mem. No. 127/21-22 Date: 5/1/2022
SE(Ele)/TS/127/2021-22

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